

Title (en)

METHOD TO DENOISE PULSE ECHO MEASUREMENT USING TOOL RESPONSE IN FRONT OF COLLARS

Title (de)

VERFAHREN ZUR ENTRAUSCHUNG VON IMPULSECHOMESSUNG MITTELS WERKZEUGREAKTION VOR KRAGEN

Title (fr)

PROCÉDÉ POUR LE DÉBRUITAGE DE MESURE D'ÉCHO D'IMPULSION À L'AIDE DE RÉPONSE D'OUTIL DEVANT DES COLLIERS

Publication

**EP 3182167 A1 20170621 (EN)**

Application

**EP 15290311 A 20151215**

Priority

EP 15290311 A 20151215

Abstract (en)

A method includes performing pulse echo measurements using a pulse echo tool. The method also includes detecting a casing collar using the pulse echo measurements performed by the pulse echo tool. The method further includes estimating a tool response of the pulse echo tool response at the casing collar using one or more processors based on the pulse echo measurement at the casing collar. The method also includes and removing the pulse echo tool response estimation from at least some of the pulse echo measurements not at the casing collar.

IPC 8 full level

**G01V 1/40** (2006.01); **E21B 47/00** (2012.01); **G01V 1/50** (2006.01)

CPC (source: EP US)

**E21B 47/005** (2020.05 - EP US); **G01V 1/40** (2013.01 - EP US); **G01V 1/48** (2013.01 - US); **G01V 1/50** (2013.01 - EP US); **G01V 2210/32** (2013.01 - US)

Citation (applicant)

US 5216638 A 19930601 - WRIGHT PETER [US]

Citation (search report)

- [XY] US 2011253364 A1 20111020 - MOSSE LAURENT [FR], et al
- [X] US 5274604 A 19931228 - D ANGELO RALPH M [US], et al
- [Y] US 2006067162 A1 20060330 - BLANKINSHIP THOMAS J [US], et al
- [Y] US 2015177405 A1 20150625 - JANNIN GAELLE [US], et al
- [A] US 4551823 A 19851105 - CARMICHAEL JERRY H [US], et al
- [A] US 2014204700 A1 20140724 - VALERO HENRI-PIERRE [JP], et al
- [A] US 5146432 A 19920908 - KIMBALL CHRISTOPHER V [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3182167 A1 20170621**; US 10114138 B2 20181030; US 2017168184 A1 20170615

DOCDB simple family (application)

**EP 15290311 A 20151215**; US 201615338865 A 20161031